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Chemistry

Advanced Subsidiary

Unit 1: The Core Principles of Chemistry

Thursday 9 January 2014 – Morning

Time: 1 hour 30 minutes

Paper Reference

WCH01/01

Candidates may use a calculator.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – there may be more space than you need.

Information

- The total mark for this paper is 80.
- The marks for **each** question are shown in brackets – use this as a guide as to how much time to spend on each question.
- Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed – you should take particular care with your spelling, punctuation and grammar, as well as the clarity of expression, on these questions.
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Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over →

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Is the Sacred for Sale Alison M Johnston, 2014-10-14 Definitely a book that sheds light on perspectives and perceptions about today's global economy. A must read for tourists and corporations alike, also heads of state, the media and environment groups, all of whom need to be informed on this key subject. Chief Garry John Chair and Spokesperson St at imc Chiefs Council, an activist's call to action on behalf of people who have been made invisible in the merciless spread of globalization under corporate control. Nina Rao Southern Co Chair of the Tourism Caucus at the UN Commission on Sustainable Development and Professor of Tourism. A powerful and much needed tool to fight the seemingly all pervasive ignorance in the corporate and consumer driven world that continues to hail ecotourism and other tourism alternatives as beneficial to local people without looking at the root causes of problems. Anita Pleumarom Tourism Investigation and Monitoring Team Bangkok. Tourism is the fastest growing industry in the world. Ecotourism, often considered a more benign form of tourism, can in fact cause the most damage as it targets more vulnerable environments and cultures. **Is the Sacred for Sale** looks at our present crossroads in consumer society. It analyses the big questions of tourism, clarifying how tourism can support biodiversity conservation. It also offers a cross cultural window to the divide between corporate thinking and sacred knowledge to help us understand why collisions over resources and land use are escalating. Finally, we have a full spectrum of information for healthy dialogue and new relationships. This book is a profound wake up call to the business world and to decision makers who shape current policy. It poses important questions to us all and is a must read for every tourist and traveller. **The Greatest Chess Kings** Sylvia Lovina Chidi, 2014-06-08 This book covers the lives and selected chess games of the following players: George Koltanowski, Ruy Lopez de Segura, Wilhelm Steinitz, Paul Morphy, Emanuel Lasker, Jose Raul Capablanca, Bobby Fischer, Garry Kasparov, Anatoly Karpov, Carlsen, Magnus Kramnik, Vladimir Aronian, Levon Radjabov, Teimour Karjakin, Sergey Anand, Viswanathan Topalov, Veselin Nakamura, Hikaru Mamedyarov, Shakhriyar Grischuk, Alexander Caruana, Fabiano Morozevich, Alexander Ivanchuk, Vassily Svidler, Peter Leko, Peter Wang, Hao Kamsky, Gata Gelfand, Boris Gashimov, Vugar Jakovenko, Dmitry Maurice, Ashley and Pontus Carlsson. 242 chess games of the current and past male chess players in the world. 8 fantastic games have been chosen from each of the modern chess Kings. The remaining 20 games are games that include previous and current male chess pioneers. This book is full of history and an excellent book for studying openings, middle games, end games and solving problems.

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